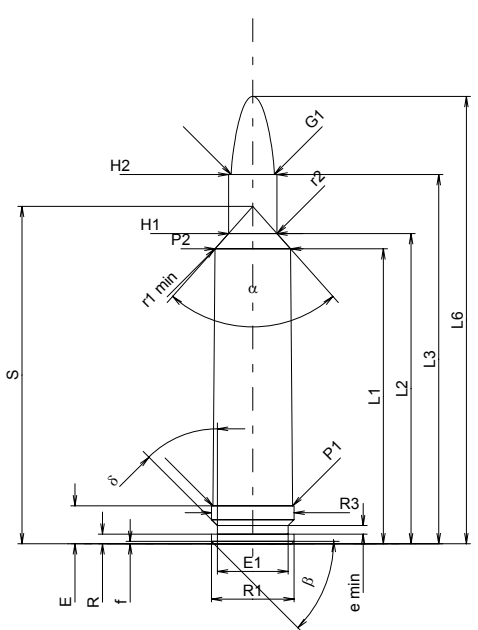
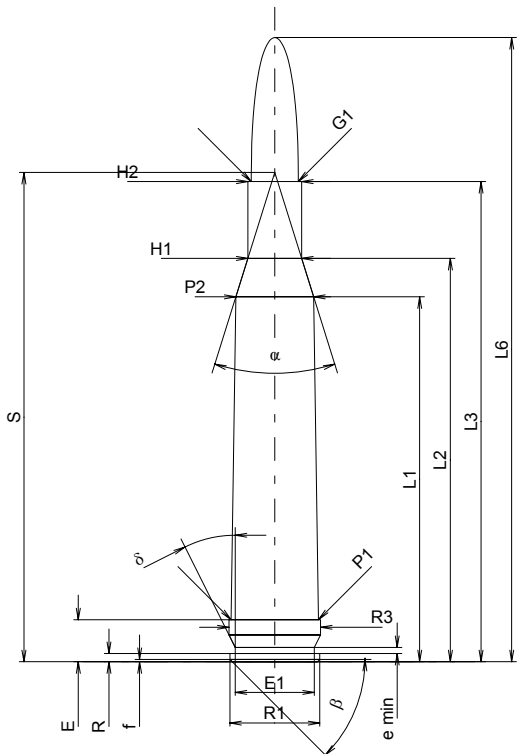
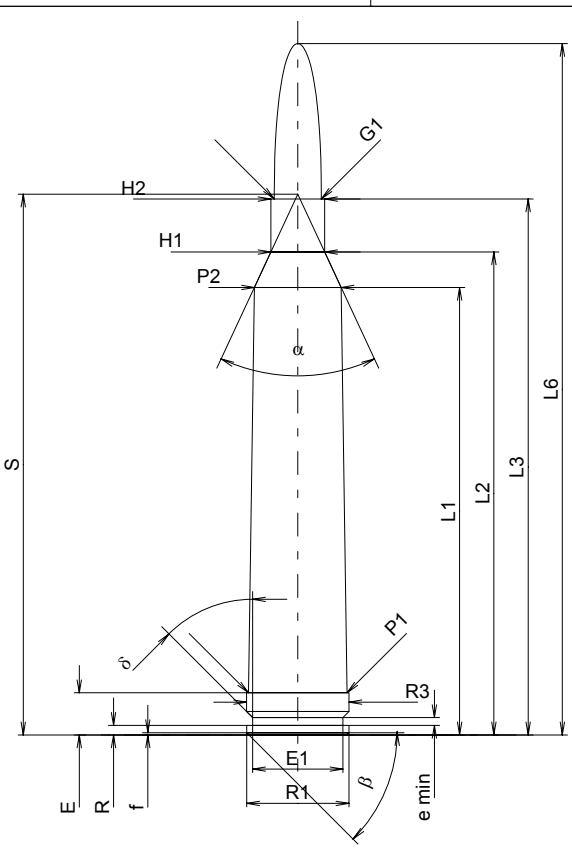
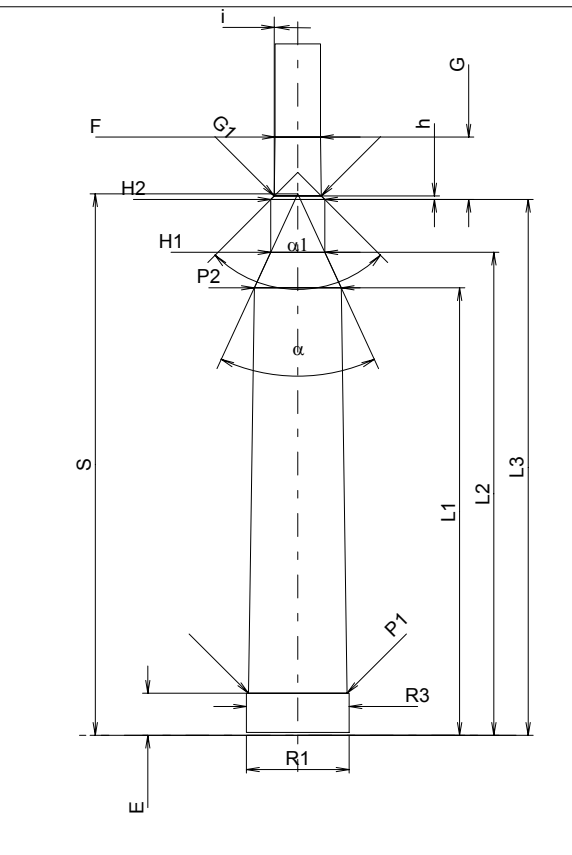


C.I.P.	224 Weath. Mag.	TAB.	III
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 39.01 L2 = 41.03 L3 ¹⁾ = 48.84 L4 = L5 = L6 = 59.18 Case Head R = 1.27 R1 = 10.91 R3 = 10.91 E ¹⁾ = 5.03 E1 = 9.37 e min = 1.14 δ = 45° f = 0.31 β = 45° Powder Chamber P1 = 10.54 P2 * = 10.01 Junction Cone α^* = 83°26'17" S * = 44.62 r1 min = 3.30 r2 = 3.83 Collar H1 * = 6.40 H2 ¹⁾ = 6.40 Projectile G1 ¹⁾ = 5.70 G2 = F = L3+G ¹⁾ = 54.48 Pressures (Energies) Method Transducer Pmax = 4400 bar PK = 5060 bar PE = 5500 bar M = 25.00 EE = 2310 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	Lengths L1 = 39.14 L2 = 41.09 L3 ¹⁾ = 49.25 Breech R = R1 = 10.97 R2 = R3 = 10.97 r = Powder Chamber E ¹⁾ = 5.05 P1 ¹⁾ = 10.59 P2 * = 10.09 Junction Cone α^* = 84°57'03" S * = 44.65 r1 max = 3.05 r2 = 3.83 Collar H1 * = 6.52 H2 ¹⁾ = 6.45 Commencement of Rifling G1 ¹⁾ * = 5.70 G ¹⁾ = 5.64 $\alpha 1^*$ = 90° h = 0.38 s = 4.11 i ¹⁾ * = 3° w = Barrel F ¹⁾ * = 5.54 Z ¹⁾ = 5.69 Grooves b = 1.80 N = 6 u = 356.00 Q = 24.93 mm ²	
Scale 1:1	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	240 Belt. Riml. N.E. Country of Origin: GB	TAB.	III
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 48.26 L2 * = 53.34 L3 ¹⁾ = 63.50 L4 = L5 = L6 = 82.55 Case Head R = 1.09 R1 = 11.89 R3 = 12.12 E ¹⁾ = 5.56 E1 = 10.46 e min = 0.81 δ = 26°34'12" f = 0.30 β = 45° Powder Chamber P1 = 11.56 P2 * = 10.29 Junction Cone α = 34°45'33" S = 64.70 r1 min = r2 = Collar H1 * = 7.11 H2 ¹⁾ = 7.11 Projectile G1 ¹⁾ = 6.22 G2 = F = L3+G ¹⁾ = 68.71 Pressures (Energies) Method Transducer Pmax = 3300 bar PK = 3795 bar PE = 4125 bar M = 25.00 EE = 2625 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 * = 48.41 L2 * = 53.46 L3 ¹⁾ = 64.00 Breech R = R1 = 12.17 R2 = R3 = 12.17 r = Powder Chamber E ¹⁾ = 5.56 P1 ¹⁾ = 11.56 P2 * = 10.32 Junction Cone α = 34°44'49" S = 64.90 r1 max = r2 = Collar H1 * = 7.16 H2 ¹⁾ = 7.14 Commencement of Rifling G1 ¹⁾ * = 6.27 G ¹⁾ * = 5.21 α1 = 90° h * = 0.44 s = i ¹⁾ = 1°30'04" w = Barrel F ¹⁾ * = 6.02 Z ¹⁾ = 6.22 Grooves b = 3.50 N = 4 u = 203.00 Q = 29.95 mm ²
Scale 1:1	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	244 H.& H. Mag. Country of Origin: GB	TAB.	III
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 59.18 L2 * = 63.87 L3 ¹⁾ = 70.87 L4 = L5 = L6 = 91.44 Case Head R = 1.27 R1 = 13.51 R3 = 13.56 E ¹⁾ = 5.56 E1 = 11.94 e min = 1.02 δ = 45° f = 0.30 β = 45° Powder Chamber P1 = 13.03 P2 * = 11.48 Junction Cone α = 49°57'37" S = 71.50 r1 min = r2 = Collar H1 * = 7.11 H2 ¹⁾ = 7.11 Projectile G1 ¹⁾ = 6.22 G2 = F = L3+G ¹⁾ = 79.13 Pressures (Energies) Method Transducer Pmax = 4350 bar PK = 5003 bar PE = 5438 bar M = 25.00 EE = 3885 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =		CHAMBER MINI Lengths L1 * = 59.18 L2 * = 63.88 L3 ¹⁾ = 70.87 Breech R = R1 = 13.59 R2 = R3 = 13.59 r = Powder Chamber E ¹⁾ = 5.56 P1 ¹⁾ = 13.03 P2 * = 11.50 Junction Cone α = 49°39'57" S = 71.61 r1 max = r2 = Collar H1 * = 7.15 H2 ¹⁾ = 7.14 Commencement of Rifling G1 ¹⁾ * = 6.22 G ¹⁾ * = 8.26 α1 = 90° h * = 0.46 s = i ¹⁾ = 0°44'03" w = Barrel F ¹⁾ * = 6.02 Z ¹⁾ = 6.22 Grooves b = N = u = 255.00 Q = 28.46 mm ²
			
Scale 1:1		Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.

257 Weath. Mag.

Country of Origin: US

TAB.

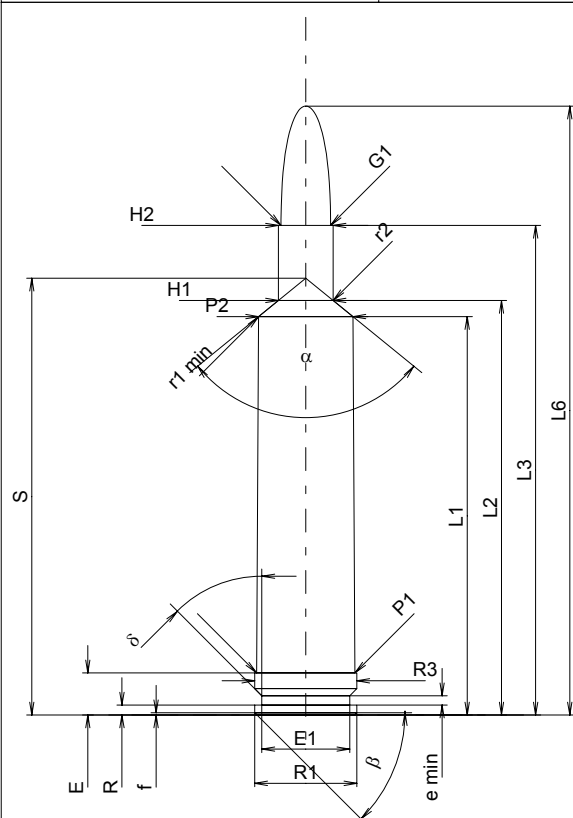
III

Date

84-06-14

Revision

02-05-15



CARTRIDGE MAXI

Lengths

L1	=	52.68
L2	=	54.82
L3 ¹⁾	=	64.74
L4	=	
L5	=	
L6	=	80.52

Case Head

R	=	1.30
R1	=	13.50
R3	=	13.50
E ¹⁾	=	5.56
E1	=	11.61
e min	=	1.24
delta	=	45°
f	=	0.30
beta	=	45°

Powder Chamber

P1	=	13.00
P2 *	=	12.48

Junction Cone

alpha *	=	101°45'19"
S *	=	57.76
r1 min	=	3.30
r2	=	3.84

Collar

H1 *	=	7.24
H2 ¹⁾	=	7.24

Projectile

G1 ¹⁾	=	6.54
G2	=	
F	=	
L3+G ¹⁾	=	79.77

Pressures (Energies)

Method Transducer

Pmax	=	4400 bar
PK	=	5060 bar
PE	=	5500 bar
M	=	25.00
EE	=	4095 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	52.78
L2	=	54.83
L3 ¹⁾	=	65.13

Breech

R	=	
R1	=	13.56
R2	=	
R3	=	13.56
r	=	

Powder Chamber

E ¹⁾	=	5.59
P1 ¹⁾	=	13.06
P2 *	=	12.58

Junction Cone

alpha *	=	103°37'22"
S *	=	57.73
r1 max	=	3.05
r2	=	3.84

Collar

H1 *	=	7.38
H2 ¹⁾	=	7.32

Commencement of Rifling

G1 ¹⁾ *	=	6.54
G ¹⁾	=	15.03
alpha1 *	=	90°
h	=	0.39
s	=	9.60
i ¹⁾ *	=	0°57'
w	=	

Barrel

F ¹⁾ *	=	6.36
Z ¹⁾	=	6.53

Grooves

b	=	2.49
N	=	6
u	=	254.00
Q	=	33.07 mm²

Scale 1:1

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.	6,5 mm Rem. Mag.	TAB.	III
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 43.18 L2 = 48.49 L3 ¹⁾ = 55.12 L4 = L5 = L6 = 71.12 Case Head R = 1.27 R1 = 13.51 R3 = 13.51 E ¹⁾ = 5.59 -0.20 E1 = 12.07 e min = 0.94 δ = 35° f = 0.41 β = 35° Powder Chamber P1 = 13.03 P2 * = 12.58 Junction Cone α * = 50° S * = 56.67 r1 min = 0.76 r2 = 2.54 Collar H1 * = 7.63 H2 ¹⁾ = 7.57 Projectile G1 ¹⁾ = 6.72 G2 = F = L3+G ¹⁾ = 62.17 Pressures (Energies) Method Transducer Pmax = 4350 bar PK = 5003 bar PE = 5438 bar M = 25.00 EE = 3885 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	Lengths L1 = 43.39 L2 = 48.67 L3 ¹⁾ = 55.73 Breech R = R1 = 13.59 R2 = R3 = 13.59 r = Powder Chamber E ¹⁾ = 5.59 P1 ¹⁾ = 13.06 P2 * = 12.60 Junction Cone α * = 50° S * = 56.90 r1 max = 0.76 r2 = 3.18 Collar H1 * = 7.68 H2 ¹⁾ = 7.62 Commencement of Rifling G1 ¹⁾ * = 6.72 G ¹⁾ = 7.05 α1 * = 60° h = 0.78 s = 4.95 i ¹⁾ * = 3° w = Barrel F ¹⁾ * = 6.50 Z ¹⁾ = 6.71 Grooves b = 2.41 N = 6 u = 229.00 Q = 34.71 mm ²	
Scale 1:1	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.

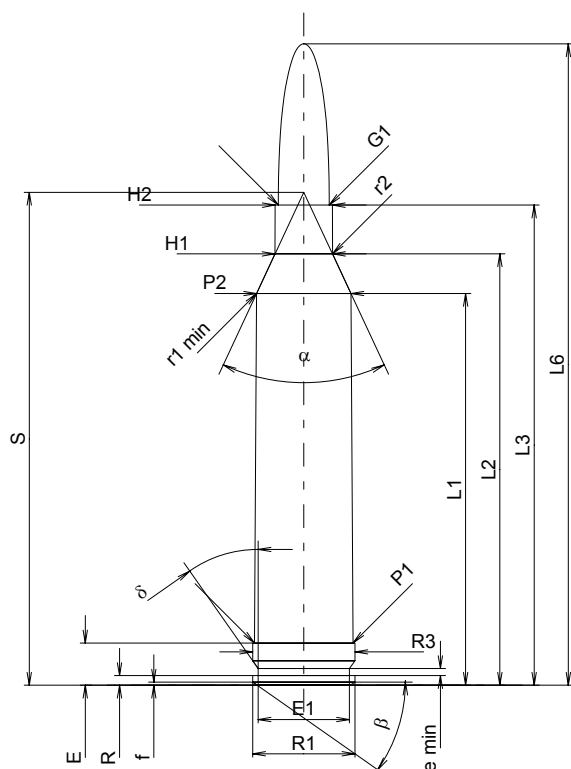
264 Win. Mag.

Country of Origin: US

TAB. III

Date 84-06-14

Revision 02-05-15



CARTRIDGE MAXI

Lengths

L1	=	51.82
L2	=	57.05
L3 ¹⁾	=	63.50
L4	=	
L5	=	
L6	=	84.84

Case Head

R	=	1.27
R1	=	13.51
R3	=	13.51
E ¹⁾	=	5.59
E1	=	12.07
e min	=	0.94
delta	=	35°
f	=	0.41
beta	=	35°

Powder Chamber

P1	=	13.03
P2 *	=	12.47

Junction Cone

alpha *	=	50°
S *	=	65.19
r1 min	=	3.30
r2	=	3.84

Collar

H1 *	=	7.59
H2 ¹⁾	=	7.57

Projectile

G1 ¹⁾	=	6.73
G2	=	
F	=	
L3+G ¹⁾	=	68.35

Pressures (Energies)

Method Transducer

Pmax	=	4300 bar
PK	=	4945 bar
PE	=	5375 bar
M	=	25.00
EE	=	4095 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	49.02
L2	=	57.21
L3 ¹⁾	=	64.11

Breech

R	=	
R1	=	13.59
R2	=	
R3	=	13.59
r	=	

Powder Chamber

E ¹⁾	=	5.59
P1 ¹⁾	=	13.06
P2 *	=	12.50

Junction Cone

alpha *	=	50°
S *	=	65.42
r1 max	=	0.76
r2	=	3.81

Collar

H1 *	=	7.66
H2 ¹⁾	=	7.62

Commencement of Rifling

G1 ¹⁾ *	=	6.81
G ¹⁾	=	4.85
alpha 1 *	=	90°
h	=	0.41
s	=	
i ¹⁾ *	=	2°
w	=	

Barrel

F ¹⁾ *	=	6.50
Z ¹⁾	=	6.71

Grooves

b	=	2.29
N	=	6
u	=	229.00
Q	=	34.66 mm ²

Scale 1:1

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.

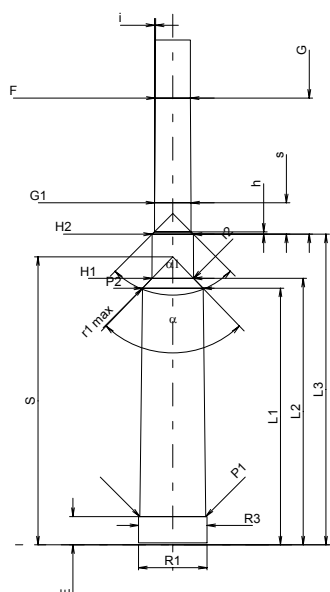
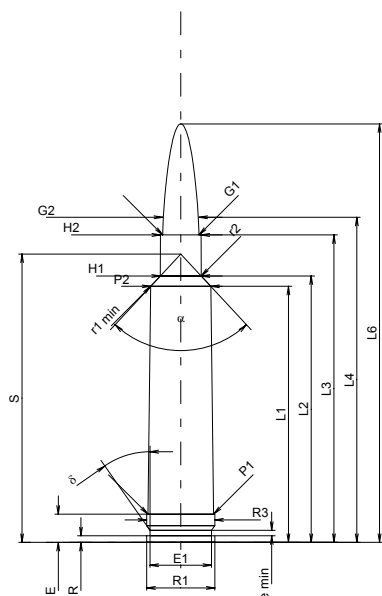
7 x 61 Super

Country of Origin: SE

TAB. III

Date 90-04-24

Revision 02-05-15



Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1	=	50.80
L2	=	52.85
L3 ¹⁾	=	61.00
L4	=	64.50
L5	=	
L6	=	83.00

Case Head

R	=	1.30
R1	=	13.50
R3	=	13.50
E ¹⁾	=	5.60
E1	=	12.20
e min	=	1.10
delta	=	35°
f	=	
beta	=	

Powder Chamber

P1	=	13.05
P2 *	=	11.91

Junction Cone

alpha *	=	85°45'
S *	=	57.21
r1 min	=	2.00
r2	=	1.50

Collar

H1 *	=	8.10
H2 ¹⁾	=	8.06

Projectile

G1 ¹⁾	=	7.20
G2	=	7.20
F	=	
L3+G ¹⁾	=	88.00

Pressures (Energies)

Method Transducer

Pmax	=	4050 bar
PK	=	4658 bar
PE	=	5060 bar
M	=	25.00
EE	=	4620 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	50.90
L2	=	52.87
L3 ¹⁾	=	61.62

Breech

R	=	
R1	=	13.56
R2	=	
R3	=	13.56
r	=	

Powder Chamber

E ¹⁾	=	5.62
P1	=	13.08
P2 ¹⁾ *	=	12.01

Junction Cone

alpha ¹⁾ *	=	88°
S *	=	57.12
r1 max	=	2.00
r2	=	1.50

Collar

H1 *	=	8.21
H2 ¹⁾	=	8.18

Commencement of Rifling

G1 ¹⁾ *	=	7.23
G ¹⁾	=	27.00
alpha 1 *	=	90°
h	=	0.46
s	=	6.25
i ¹⁾ *	=	0°19'03"
w	=	

Barrel

F ¹⁾ *	=	7.00
Z ¹⁾	=	7.22

Grooves

b	=	2.70
N	=	6
u	=	229.00
Q	=	40.31 mm ²

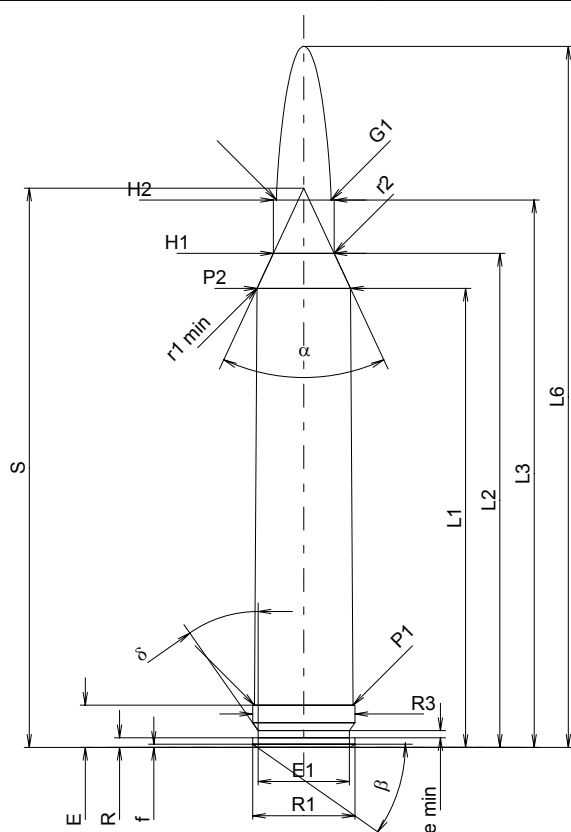
Notes: 1) Check for safety reasons
* Basic dimensions

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

C.I.P.	7 mm Rem. Mag.	TAB.	III		
		Date	84-06-14		
		Revision	02-05-15		
Country of Origin: US					
	CARTRIDGE MAXI		CHAMBER MINI		
	Lengths L1 = 51.82 L2 = 56.61 L3 ¹⁾ = 63.50 L4 = L5 = L6 = 83.57 Case Head R = 1.27 R1 = 13.51 R3 = 13.51 E ¹⁾ = 5.59 E1 = 12.07 e min = 0.94 δ = 35° f = 0.41 β = 35° Powder Chamber P1 = 13.03 P2 * = 12.47 Junction Cone α * = 50° S * = 65.19 r1 min = 1.02 r2 = 3.18 Collar H1 * = 8.00 H2 ¹⁾ = 8.00 Projectile G1 ¹⁾ = 7.23 G2 = 68.61 F = L3+G ¹⁾ = 68.61 Pressures (Energies) Method Transducer Pmax = 4300 bar PK = 4945 bar PE = 5375 bar M = 25.00 EE = 4515 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =		-0.20		Lengths L1 = 52.03 L2 = 56.79 L3 ¹⁾ = 64.11 Breech R = R1 = 13.59 R2 = R3 = 13.59 r = Powder Chamber E ¹⁾ = 5.59 P1 ¹⁾ = 13.06 P2 * = 12.49 Junction Cone α * = 50° S * = 65.42 r1 max = 0.76 r2 = 3.81 Collar H1 * = 8.05 H2 ¹⁾ = 8.03 Commencement of Rifling G1 ¹⁾ * = 7.23 G ¹⁾ = 5.11 α1 = 90° h = 0.40 s * = 3.30 i ¹⁾ * = 3° w = Barrel F ¹⁾ * = 7.04 Z ¹⁾ = 7.21 Grooves b = 2.79 N = 6 u = 241.00 Q ²⁾³⁾ = 40.39 mm ²
		Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons 2) Valid only for Proof Barrels 3) * Basic dimensions			

C.I.P.**7 mm STW**

Country of Origin: US

TAB. III**Date 00-02-15****Revision 02-05-15****CARTRIDGE MAXI****Lengths**

L1	=	60.69
L2	=	65.32
L3 ¹⁾	=	72.39
L4	=	
L5	=	
L6	=	92.71

Case Head

R	=	1.27
R1	=	13.51
R3	=	13.51
E ¹⁾	=	5.58
E1	=	12.07
e min	=	0.94
delta	=	35°
f	=	0.41
beta	=	35°

Powder Chamber

P1	=	13.03
P2 *	=	12.37

Junction Cone

alpha *	=	50°
S *	=	73.95
r1 min	=	1.02
r2	=	3.18

Collar

H1 *	=	8.05
H2 ¹⁾	=	8.05

Projectile

G1 ¹⁾	=	7.23
G2	=	
F	=	
L3+G ¹⁾	=	80.01

Pressures (Energies)**Method Transducer**

Pmax	=	4600 bar
PK	=	5290 bar
PE	=	5750 bar
M	=	25.00
EE	=	5250 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI**Lengths**

L1	=	60.88
L2	=	65.45
L3 ¹⁾	=	72.96

Breech

R	=	
R1	=	13.59
R2	=	
R3	=	13.59
r	=	

Powder Chamber

E ¹⁾	=	5.59
P1 ¹⁾	=	13.06
P2 *	=	12.39

Junction Cone

alpha *	=	50°
S *	=	74.17
r1 max	=	0.76
r2	=	3.81

Collar

H1 *	=	8.13
H2 ¹⁾	=	8.10

Commencement of Rifling

G1 ¹⁾ *	=	7.23
G ¹⁾	=	7.62
alpha 1 *	=	144°19'11"
h	=	0.14
s	=	5.22
i ¹⁾ *	=	2°30'
w	=	

Barrel

F ¹⁾ *	=	7.02
Z ¹⁾	=	7.21

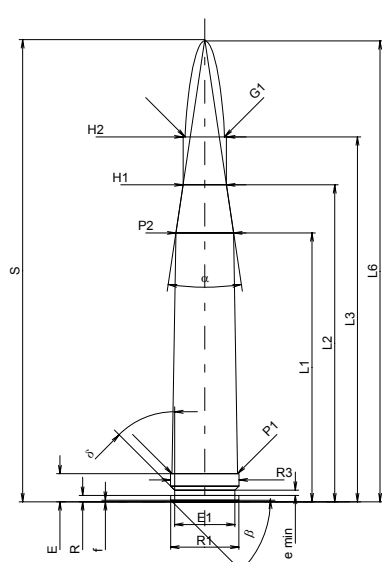
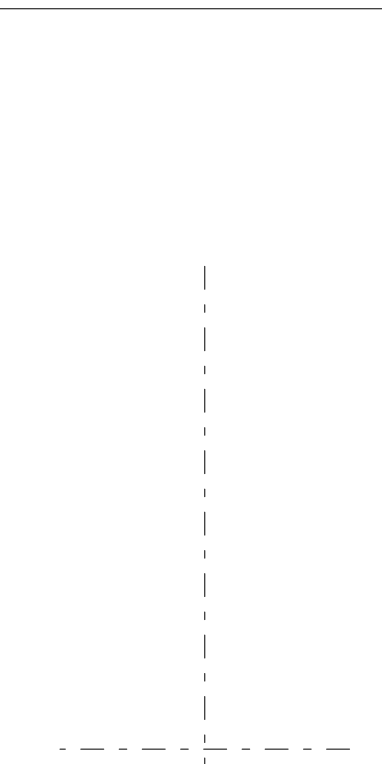
Grooves

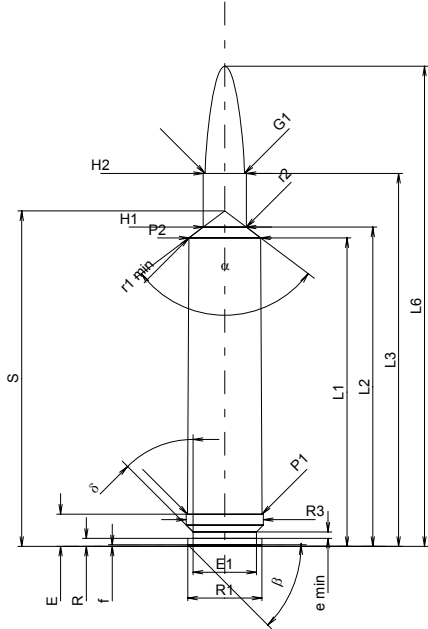
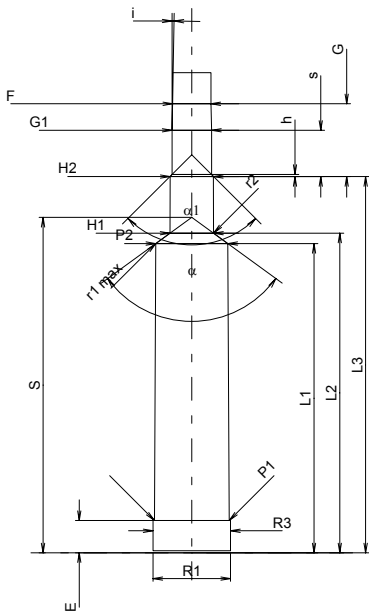
b	=	2.87
N	=	6
u	=	241.00
Q	=	40.39 mm ²

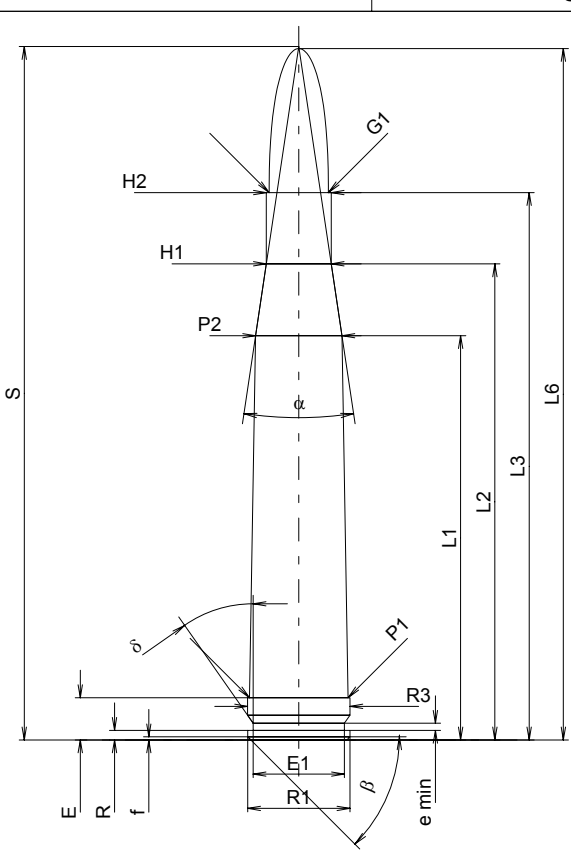
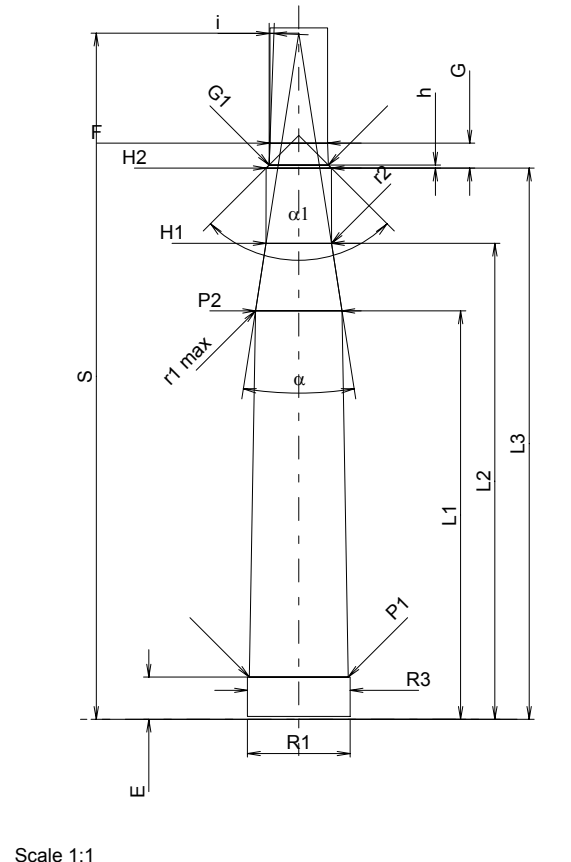
Scale 1:1

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

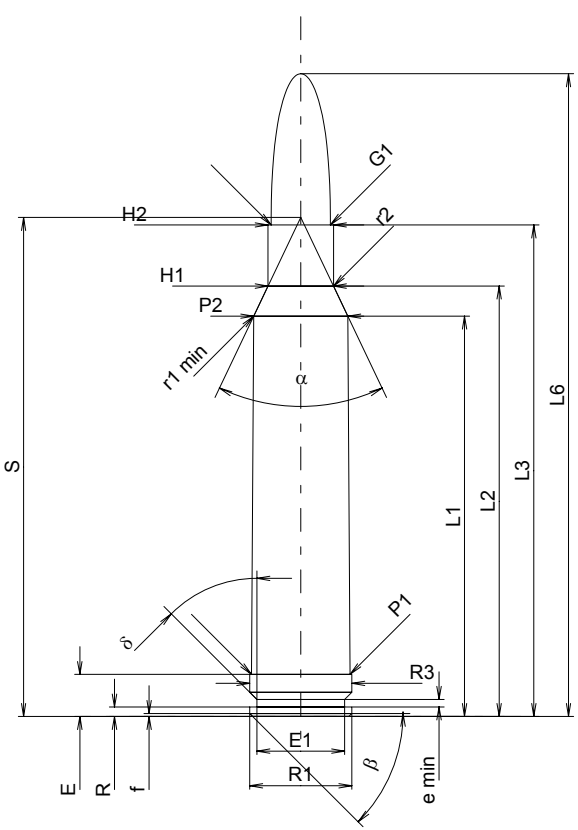
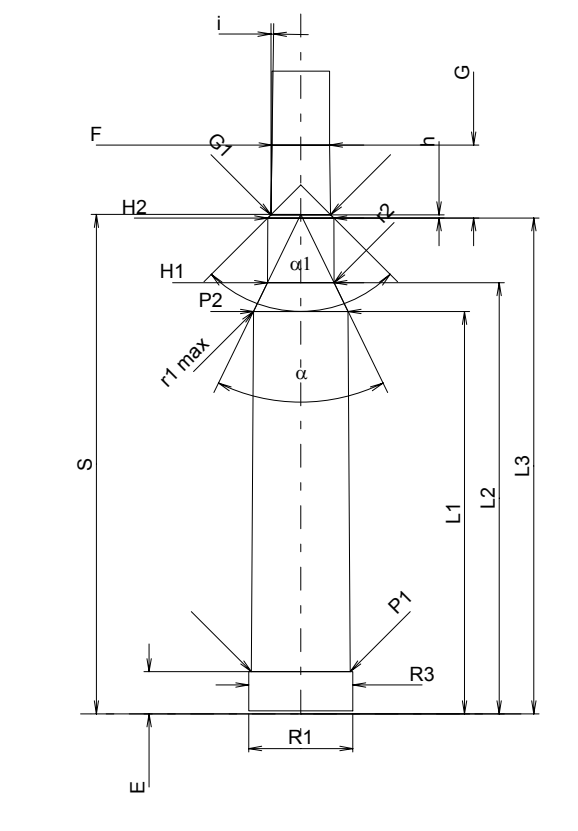
Notes: 1) Check for safety reasons
* Basic dimensions

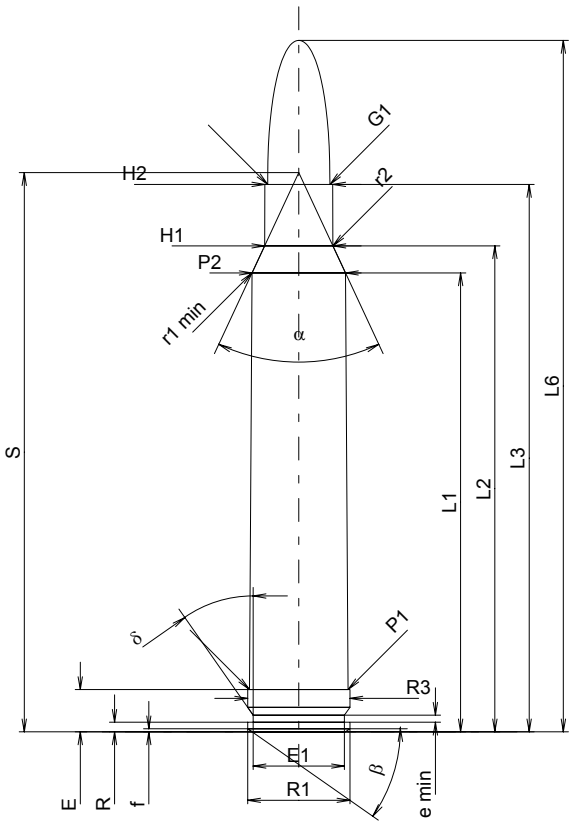
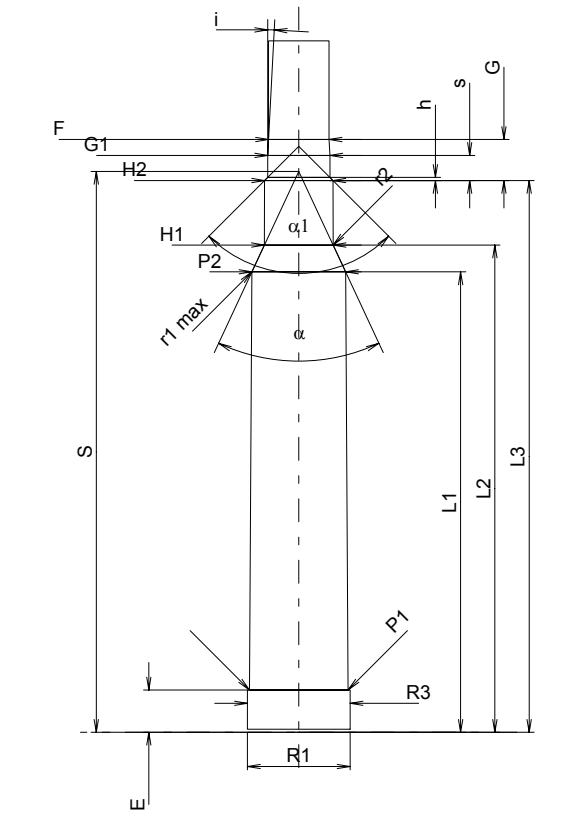
C.I.P.	30 Super Belt Riml. H.& H	TAB. III	
		Date	84-06 14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI		CHAMBER MINI
	Lengths L1 * = 53.34 L2 * = 62.87 L3 1) = 72.39 L4 = L5 = L6 = 91.44 Case Head R = 1.27 R1 = 13.51 R3 = 13.56 E 1) = 5.56 E1 = 11.94 e min = 1.02 δ = 45° f = 0.30 β = 45° Powder Chamber P1 = 13.03 P2 * = 11.43 Junction Cone α = 16°56'59" S = 91.69 r1 min = r2 = Collar H1 * = 8.59 H2 1) = 8.59 Projectile G1 1) = 7.82 G2 = F = L3+G = Pressures (Energies) Method Transducer Pmax = 3650 bar PK = 4198 bar PE = 4563 bar M = 25.00 EE = 4305 Joule Miscellaneous Dimensions Fe = delta L =		Lengths L1 = L2 = L3 = Breech R = R1 = R2 = R3 = r = Powder Chamber E = P1 = P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 = Commencement of Rifling G1 = G = α1 = h = s = i = w = Barrel F 1)* = 7.61 Z 1) = 7.82 Grooves b = 2.72 N = 6 u = 254.00 Q = 47.24 mm²
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	30-378 Weath. Mag.	TAB.	III
		Date	96-03-05
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 61.20 L2 = 63.33 L3 ¹⁾ = 73.99 L4 = L5 = L6 = 95.25 Case Head R = 1.60 R1 = 14.71 R3 = 15.33 E ¹⁾ = 6.40 E1 = 12.57 e min = 1.24 δ = 45° f = 0.30 β = 45° Powder Chamber P1 = 14.78 P2 * = 14.23 Junction Cone α^* = 105°57'54" S * = 66.56 r1 min = 3.30 r2 = 3.82 Collar H1 * = 8.56 H2 ¹⁾ = 8.56 Projectile G1 ¹⁾ = 7.83 G2 = F = L3+G ¹⁾ = 88.42 Pressures (Energies) Method Transducer Pmax = 4400 bar PK = 5060 bar PE = 5500 bar M = 25.00 EE = 6720 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	Lengths L1 = 61.35 L2 = 63.41 L3 ¹⁾ = 74.65 Breech R = R1 = 15.39 R2 = R3 = 15.39 r = Powder Chamber E ¹⁾ = 6.40 P1 ¹⁾ = 14.82 P2 * = 14.32 Junction Cone α^* = 107°59'13" S * = 66.55 r1 max = 3.05 r2 = 3.84 Collar H1 * = 8.65 H2 ¹⁾ = 8.61 Commencement of Rifling G1 ¹⁾ * = 7.83 G ¹⁾ = 14.43 $\alpha 1^*$ = 90° h = 0.39 s = 9.17 i ¹⁾ * = 1°05'20" w = Barrel F ¹⁾ * = 7.63 Z ¹⁾ = 7.82 Grooves b = 3.00 N = 6 u = 254.00 Q = 47.48 mm ²	
	-0.20		
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	Notes: 1) Check for safety reasons * Basic dimensions		

C.I.P.	300 H.& H. Mag.	TAB.	III
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 * = 53.46 L2 * = 62.96 L3 1) = 72.39 L4 = L5 = L6 = 91.44 Case Head R = 1.27 R1 = 13.51 R3 = 13.56 E 1) = 5.59 E1 = 12.07 e min = 0.94 δ = 35° f = 0.41 β = 45° Powder Chamber P1 = 13.03 P2 * = 11.43 Junction Cone α = 17°00'09" S = 91.69 r1 min = r2 = Collar H1 * = 8.59 H2 1) = 8.59 Projectile G1 1) = 7.85 G2 = F = L3+G 1) = 75.70 Pressures (Energies) Method Transducer Pmax = 4300 bar PK = 4945 bar PE = 5375 bar M = 25.00 EE = 4725 Joule Miscellaneous Dimensions Fe 1) = 0.10 delta L =	CHAMBER MINI Lengths L1 * = 54.01 L2 * = 62.96 L3 1) = 72.90 Breech R = R1 = 13.59 R2 = R3 = 13.59 r = Powder Chamber E 1) = 5.59 P1 1) = 13.06 P2 * = 11.45 Junction Cone α = 17°43'04" S = 90.74 r1 max = 1.27 r2 = 2.54 Collar H1 * = 8.66 H2 1) = 8.62 Commencement of Rifling G1 1)* = 7.82 G 1)* = 3.31 α1 = 90° h * = 0.40 s = i 1) = 2°03'59" w = Barrel F 1)* = 7.61 Z 1) = 7.82 Grooves b = 2.72 N = 6 u = 254.00 Q = 47.24 mm²	
	-0.20		
			
Scale 1:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CP 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	300 Weath. Mag.	TAB.	III
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 59.62 L2 = 61.86 L3 ¹⁾ = 71.75 L4 = L5 = L6 = 90.42 Case Head R = 1.30 R1 = 13.50 R3 = 13.50 E ¹⁾ = 5.56 E1 = 11.61 e min = 1.24 δ = 45° f = 0.30 β = 45° Powder Chamber P1 = 13.00 P2 * = 12.49 Junction Cone α * = 82°38'20" S * = 66.73 r1 min = 3.30 r2 = 4.62 Collar H1 * = 8.56 H2 ¹⁾ = 8.56 Projectile G1 ¹⁾ = 7.83 G2 = F = L3+G ¹⁾ = 86.46 Pressures (Energies) Method Transducer Pmax = 4400 bar PK = 5060 bar PE = 5500 bar M = 25.00 EE = 5880 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	Lengths L1 = 59.74 L2 = 61.92 L3 ¹⁾ = 72.24 Breech R = R1 = 13.56 R2 = R3 = 13.56 r = Powder Chamber E ¹⁾ = 5.59 P1 ¹⁾ = 13.06 P2 * = 12.59 Junction Cone α * = 84°28'19" S * = 66.68 r1 max = 3.05 r2 = 4.62 Collar H1 * = 8.64 H2 ¹⁾ = 8.61 Commencement of Rifling G1 ¹⁾ * = 7.83 G ¹⁾ = 14.71 α1 * = 90° h = 0.39 s = 9.17 i ¹⁾ * = 1°01'59" w = Barrel F ¹⁾ * = 7.63 Z ¹⁾ = 7.82 Grooves b = 3.00 N = 6 u = 254.00 Q = 47.48 mm ²	
Scale 1:1	-0.20		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	308 Norma Mag. Country of Origin: SE	TAB.	III
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI		CHAMBER MINI
	Lengths L1 = 52.94 L2 = 56.92 L3 ¹⁾ = 65.00 L4 = L5 = L6 = 85.00 Case Head R = 1.25 R1 = 13.50 R3 = 13.50 E ¹⁾ = 5.56 E1 = 11.60 e min = 1.00 δ = 45° f = 0.40 β = 45° Powder Chamber P1 = 13.03 P2 * = 12.45 Junction Cone α * = 51° S * = 65.99 r1 min = 1.00 r2 = 3.00 Collar H1 * = 8.65 H2 ¹⁾ = 8.65 Projectile G1 ¹⁾ = 7.85 G2 = F = L3+G ¹⁾ = 74.65 Pressures (Energies) Method Transducer Pmax = 4400 bar PK = 5060 bar PE = 5500 bar M = 25.00 EE = 4935 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =		Lengths L1 = 53.22 L2 = 57.03 L3 ¹⁾ = 65.58 Breech R = R1 = 13.75 R2 = R3 = 13.75 r = Powder Chamber E ¹⁾ = 5.58 P1 ¹⁾ = 13.06 P2 * = 12.52 Junction Cone α * = 52° S * = 66.05 r1 max = 2.00 r2 = 3.60 Collar H1 * = 8.80 H2 ¹⁾ = 8.75 Commencement of Rifling G1 ¹⁾ * = 7.89 G ¹⁾ = 9.65 α1 * = 90° h = 0.43 s = i ¹⁾ * = 0°50'20" w = Barrel F ¹⁾ * = 7.62 Z ¹⁾ = 7.82 Grooves b = 4.47 N = 6 u = 254.00 Q = 47.51 mm ²
	Notes: 1) Check for safety reasons * Basic dimensions		
Scale 1:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	8 mm Rem. Mag.	TAB.	III
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 60.69 L2 = 64.27 L3 ¹⁾ = 72.39 L4 = L5 = L6 = 91.44 Case Head R = 1.27 R1 = 13.51 R3 = 13.51 E ¹⁾ = 5.59 E1 = 12.07 e min = 0.94 δ = 35° f = 0.41 β = 35° Powder Chamber P1 = 13.03 P2 * = 12.36 Junction Cone α * = 50° S * = 73.94 r1 min = 1.02 r2 = 3.18 Collar H1 * = 9.02 H2 ¹⁾ = 8.99 Projectile G1 ¹⁾ = 8.22 G2 = F = L3+G ¹⁾ = 77.82 Pressures (Energies) Method Transducer Pmax = 4600 bar PK = 5290 bar PE = 5750 bar M = 25.00 EE = 5355 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	Lengths L1 = 60.88 L2 = 64.44 L3 ¹⁾ = 72.96 Breech R = R1 = 13.59 R2 = R3 = 13.59 r = Powder Chamber E ¹⁾ = 5.59 P1 ¹⁾ = 13.05 P2 * = 12.39 Junction Cone α * = 50° S * = 74.17 r1 max = 0.76 r2 = 3.81 Collar H1 * = 9.07 H2 ¹⁾ = 9.04 Commencement of Rifling G1 ¹⁾ * = 8.22 G ¹⁾ = 5.43 α1 * = 90° h = 0.41 s = 3.33 i ¹⁾ * = 3° w = Barrel F ¹⁾ * = 8.00 Z ¹⁾ = 8.20 Grooves b = 3.10 N = 6 u = 254.00 Q = 52.17 mm ²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.

338 Win. Mag.

Country of Origin: US

TAB.

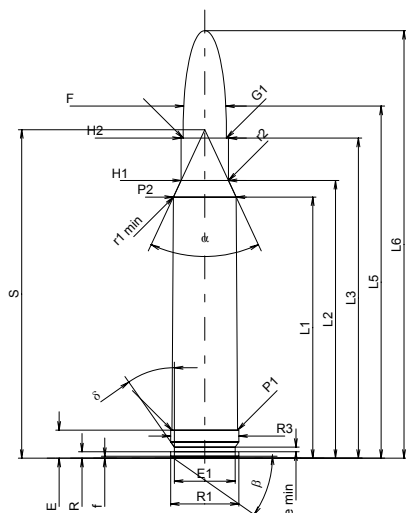
III

Date

84-06-14

Revision

02-05-15



CARTRIDGE MAXI

Lengths

L1	=	51.82
L2	=	55.11
L3 ¹⁾	=	63.50
L4	=	
L5	=	69.85
L6	=	84.84

Case Head

R	=	1.27
R1	=	13.51
R3	=	13.51
E ¹⁾	=	5.59
E1	=	12.07
e min	=	0.94
delta	=	35°
f	=	0.41
beta	=	35°

Powder Chamber

P1	=	13.03
P2 *	=	12.47

Junction Cone

alpha *	=	50°
S *	=	65.19
r1 min	=	1.02
r2	=	3.18

Collar

H1 *	=	9.40
H2 ¹⁾	=	9.37

Projectile

G1 ¹⁾	=	8.61
G2	=	8.38
F	=	
L3+G ¹⁾	=	69.27

Pressures (Energies)

Method Transducer

Pmax	=	4300 bar
PK	=	4945 bar
PE	=	5375 bar
M	=	25.00
EE	=	5460 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	52.02
L2	=	55.30
L3 ¹⁾	=	64.11

Breech

R	=	
R1	=	13.59
R2	=	
R3	=	13.59
r	=	

Powder Chamber

E ¹⁾	=	5.59
P1 ¹⁾	=	13.06
P2 *	=	12.50

Junction Cone

alpha *	=	50°
S *	=	65.42
r1 max	=	0.76
r2	=	3.81

Collar

H1 *	=	9.44
H2 ¹⁾	=	9.41

Commencement of Rifling

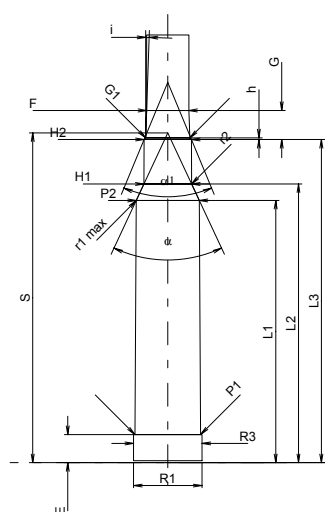
G1 ¹⁾ *	=	8.76
G ¹⁾	=	5.77
alpha 1 *	=	45°
h	=	0.33
s	=	
i ¹⁾ *	=	2°
w	=	

Barrel

F ¹⁾ *	=	8.38
Z ¹⁾	=	8.59

Grooves

b	=	2.79
N	=	6
u	=	254.00
Q	=	56.95 mm²



Scale 1:1.5

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.

338-378 Weath. Mag.

Country of Origin: US

TAB.

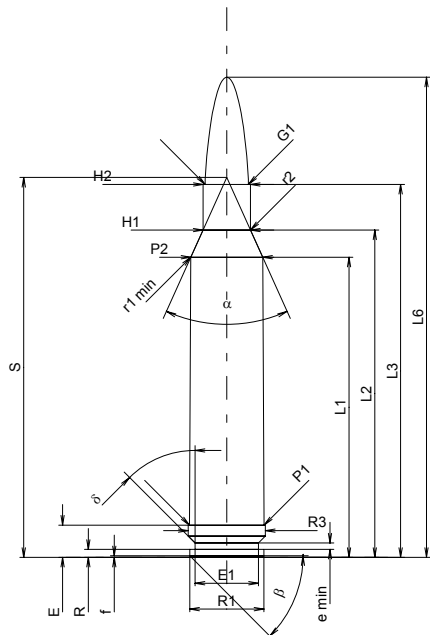
III

Date

98-02-09

Revision

02-05-15



CARTRIDGE MAXI

Lengths

L1	=	59.56
L2	=	64.94
L3 ¹⁾	=	73.99
L4	=	
L5	=	
L6	=	95.25

Case Head

R	=	1.60
R1	=	14.71
R3	=	15.33
E ¹⁾	=	6.40
E1	=	12.57
e min	=	1.24
δ	=	45°
f	=	0.30
β	=	45°

Powder Chamber

P1	=	14.78
P2 *	=	14.25

Junction Cone

α *	=	48°31'12"
S *	=	75.37
r1 min	=	3.31
r2	=	3.89

Collar

H1 *	=	9.40
H2 ¹⁾	=	9.37

Projectile

G1 ¹⁾	=	8.60
G2	=	
F	=	
L3+G ¹⁾	=	89.56

Pressures (Energies)

Method Transducer

Pmax	=	4400 bar
PK	=	5060 bar
PE	=	5500 bar
M	=	25.00
EE	=	7350 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	59.78
L2	=	65.07
L3 ¹⁾	=	74.65

Breech

R	=	
R1	=	15.39
R2	=	
R3	=	15.39
r	=	

Powder Chamber

E ¹⁾	=	6.43
P1 ¹⁾	=	14.81
P2 *	=	14.33

Junction Cone

α *	=	49°39'36"
S *	=	75.27
r1 max	=	3.05
r2	=	3.89

Collar

H1 *	=	9.44
H2 ¹⁾	=	9.41

Commencement of Rifling

G1 ¹⁾ *	=	8.60
G ¹⁾	=	15.57
α1 *	=	90°
h	=	0.40
s	=	9.47
i ¹⁾ *	=	1°02'
w	=	

Barrel

F ¹⁾ *	=	8.38
Z ¹⁾	=	8.59

Grooves

b	=	3.20
N	=	6
u	=	254.00
Q	=	57.22 mm ²

Scale 1:1.5

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.

340 Weath. Mag.

TAB.

III

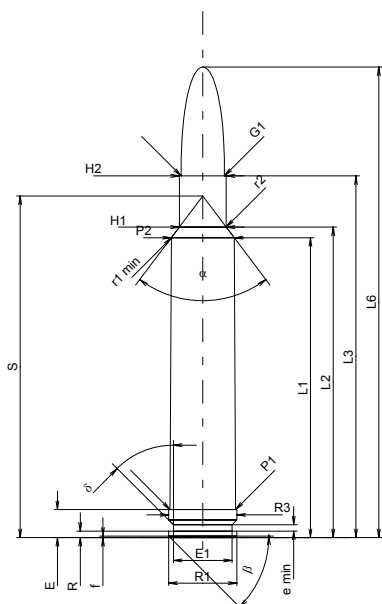
Date

84-06-14

Revision

02-05-15

Country of Origin: US



CARTRIDGE MAXI

Lengths

L1	=	59.49
L2	=	61.60
L3 ¹⁾	=	71.76
L4	=	
L5	=	
L6	=	93.35

Case Head

R	=	1.30
R1	=	13.50
R3	=	13.50
E ¹⁾	=	5.56
E1	=	11.61
e min	=	1.24
δ	=	45°
f	=	0.30
β	=	45°

Powder Chamber

P1	=	13.00
P2 *	=	12.49

Junction Cone

α *	=	74°06'26"
S *	=	67.76
r1 min	=	3.30
r2	=	4.62

Collar

H1 *	=	9.30
H2 ¹⁾	=	9.30

Projectile

G1 ¹⁾	=	8.59
G2	=	
F	=	
L3+G ¹⁾	=	87.33

Pressures (Energies)

Method Transducer

Pmax	=	4400 bar
PK	=	5060 bar
PE	=	5500 bar
M	=	25.00
EE	=	6825 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	59.59
L2	=	61.65
L3 ¹⁾	=	72.24

Breech

R	=	
R1	=	13.56
R2	=	
R3	=	13.56
r	=	

Powder Chamber

E ¹⁾	=	5.59
P1 ¹⁾	=	13.06
P2 *	=	12.59

Junction Cone

α *	=	75°04'26"
S *	=	67.79
r1 max	=	3.05
r2	=	4.62

Collar

H1 *	=	9.43
H2 ¹⁾	=	9.37

Commencement of Rifling

G1 ¹⁾ *	=	8.60
G ¹⁾	=	15.57
α1 *	=	90°
h	=	0.39
s	=	9.47
i ¹⁾ *	=	1°01'59"
w	=	

Barrel

F ¹⁾ *	=	8.38
Z ¹⁾	=	8.59

Grooves

b	=	3.20
N	=	6
u	=	254.00
Q	=	57.22 mm ²

Scale 1:1.5

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.

350 Rem. Mag.

Country of Origin: US

TAB.

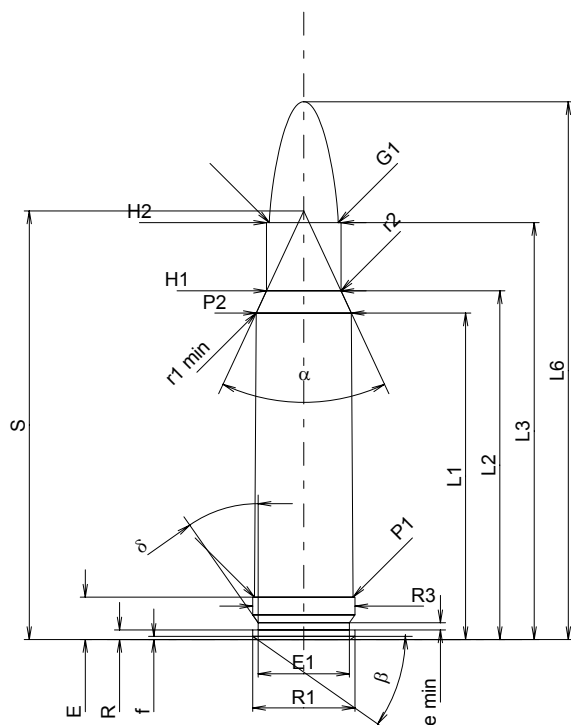
III

Date

84-06-14

Revision

02-05-15



CARTRIDGE MAXI

Lengths

L1	=	43.18
L2	=	46.10
L3 ¹⁾	=	55.12
L4	=	
L5	=	
L6	=	71.12

Case Head

R	=	1.27
R1	=	13.51
R3	=	13.51
E ¹⁾	=	5.59
E1	=	12.07
e min	=	0.94
delta	=	35°
f	=	0.41
beta	=	35°

Powder Chamber

P1	=	13.03
P2 *	=	12.58

Junction Cone

alpha *	=	50°
S *	=	56.67
r1 min	=	0.76
r2	=	2.54

Collar

H1 *	=	9.86
H2 ¹⁾	=	9.86

Projectile

G1 ¹⁾	=	9.12
G2	=	
F	=	
L3+G ¹⁾	=	64.74

Pressures (Energies)

Method Transducer

Pmax	=	4300 bar
PK	=	4945 bar
PE	=	5375 bar
M	=	25.00
EE	=	4620 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	43.39
L2	=	46.27
L3 ¹⁾	=	55.73

Breech

R	=	
R1	=	13.59
R2	=	
R3	=	13.59
r	=	

Powder Chamber

E ¹⁾	=	5.59
P1 ¹⁾	=	13.06
P2 *	=	12.60

Junction Cone

alpha *	=	50°
S *	=	56.90
r1 max	=	0.76
r2	=	2.79

Collar

H1 *	=	9.91
H2 ¹⁾	=	9.88

Commencement of Rifling

G1 ¹⁾ *	=	9.12
G ¹⁾	=	9.62
alpha 1 *	=	60°
h	=	0.65
s	=	6.64
i ¹⁾ *	=	2°30'
w	=	

Barrel

F ¹⁾ *	=	8.86
Z ¹⁾	=	9.07

Grooves

b	=	3.30
N	=	6
u	=	406.00
Q	=	63.78 mm²

Scale 1:1

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.

358 Norma Mag.

TAB.

III

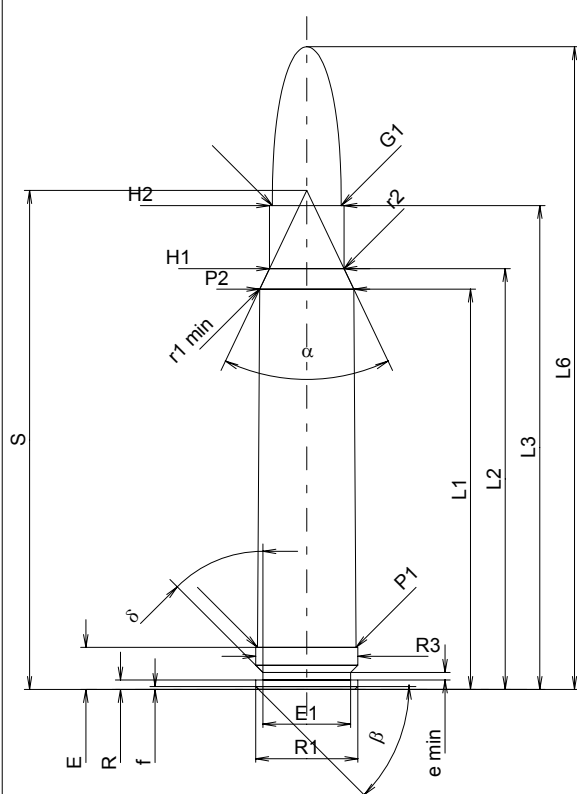
Date

84-06-14

Revision

02-05-15

Country of Origin: SE



CARTRIDGE MAXI

Lengths

L1	=	52.94
L2	=	55.66
L3 ¹⁾	=	64.00
L4	=	
L5	=	
L6	=	85.00

Case Head

R	=	1.25
R1	=	13.50
R3	=	13.50
E ¹⁾	=	5.56
E1	=	11.60
e min	=	1.00
δ	=	45°
f	=	0.40
β	=	45°

Powder Chamber

P1	=	13.03
P2 *	=	12.45

Junction Cone

α *	=	51°
S *	=	65.99
r1 min	=	1.00
r2	=	3.00

Collar

H1 *	=	9.85
H2 ¹⁾	=	9.85

Projectile

G1 ¹⁾	=	9.12
G2	=	
F	=	
L3+G ¹⁾	=	70.50

Pressures (Energies)

Method Transducer

Pmax	=	4400 bar
PK	=	5060 bar
PE	=	5500 bar
M	=	25.00
EE	=	4725 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	53.22
L2	=	55.77
L3 ¹⁾	=	64.58

Breech

R	=	
R1	=	13.75
R2	=	
R3	=	13.75
r	=	

Powder Chamber

E ¹⁾	=	5.58
P1 ¹⁾	=	13.06
P2 *	=	12.52

Junction Cone

α *	=	52°
S *	=	66.05
r1 max	=	2.00
r2	=	3.60

Collar

H1 *	=	10.03
H2 ¹⁾	=	10.00

Commencement of Rifling

G1 ¹⁾ *	=	9.14
G ¹⁾	=	6.50
α1 *	=	90°
h	=	0.43
s	=	
i ¹⁾ *	=	1°10'47"
w	=	

Barrel

F ¹⁾ *	=	8.89
Z ¹⁾	=	9.10

Grooves

b	=	3.40
N	=	6
u	=	305.00
Q	=	64.27 mm ²

Scale 1:1

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.	375 H.& H. Mag. Country of Origin: GB	TAB.	III
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 61.27 L2 * = 63.44 L3 ¹⁾ = 72.39 L4 = L5 = L6 = 91.44 Case Head R = 1.27 R1 = 13.51 R3 = 13.56 E ¹⁾ = 5.59 E1 = 12.07 e min = 0.94 δ = 35° f = 0.41 β = 45° Powder Chamber P1 = 13.03 P2 * = 11.37 Junction Cone α = 29°55'43" S = 82.54 r1 min = r2 = Collar H1 * = 10.21 H2 ¹⁾ = 10.21 Projectile G1 ¹⁾ = 9.55 G2 = F = L3+G ¹⁾ = 81.30 Pressures (Energies) Method Transducer Pmax = 4300 bar PK = 4945 bar PE = 5375 bar M = 25.00 EE = 6090 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =		CHAMBER MINI Lengths L1 * = 61.38 L2 * = 63.44 L3 ¹⁾ = 72.90 Breech R = R1 = 13.59 R2 = R3 = 13.59 r = Powder Chamber E ¹⁾ = 5.59 P1 ¹⁾ = 13.06 P2 * = 11.39 Junction Cone α = 29°53'52" S = 82.71 r1 max = r2 = Collar H1 * = 10.29 H2 ¹⁾ = 10.26 Commencement of Rifling G1 ¹⁾ * = 9.91 G ¹⁾ * = 8.91 α1 = 90° h * = 0.18 s = i ¹⁾ = 2°00'02" w = Barrel F ¹⁾ * = 9.30 Z ¹⁾ = 9.55 Grooves b = 2.92 N = 6 u = 305.00 Q = 70.16 mm ²
	Scale 1:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions

C.I.P.

375 Weath. Mag.

TAB.

III

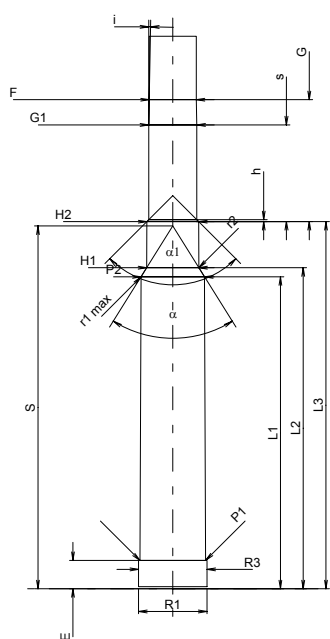
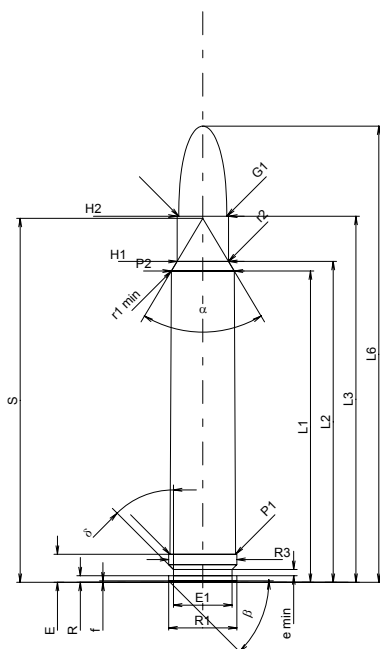
Date

87-01-17

Revision

02-05-15

Country of Origin: US



Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1	=	61.75
L2	=	63.65
L3 ¹⁾	=	72.64
L4	=	
L5	=	
L6	=	90.50

Case Head

R	=	1.30
R1	=	13.50
R3	=	13.50
E ¹⁾	=	5.56
E1	=	11.61
e min	=	1.24
δ	=	45°
f	=	0.30
β	=	45°

Powder Chamber

P1	=	13.00
P2 *	=	12.49

Junction Cone

α *	=	61°42'14"
S *	=	72.20
r1 min	=	3.30
r2	=	4.62

Collar

H1 *	=	10.21
H2 ¹⁾	=	10.21

Projectile

G1 ¹⁾	=	9.53
G2	=	
F	=	
L3+G ¹⁾	=	96.82

Pressures (Energies)

Method Transducer

Pmax	=	4400 bar
PK	=	5060 bar
PE	=	5500 bar
M	=	25.00
EE	=	7350 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	61.87
L2	=	63.67
L3 ¹⁾	=	72.82

Breech

R	=	
R1	=	13.56
R2	=	
R3	=	13.56
r	=	

Powder Chamber

E ¹⁾	=	5.59
P1 ¹⁾	=	13.06
P2 *	=	12.59

Junction Cone

α *	=	63°59'02"
S *	=	71.95
r1 max	=	3.05
r2	=	4.62

Collar

H1 *	=	10.35
H2 ¹⁾	=	10.29

Commencement of Rifling

G1 ¹⁾ *	=	9.54
G ¹⁾	=	24.18
α1 *	=	90°
h	=	0.38
s	=	19.18
i ¹⁾ *	=	1°05'20"
w	=	

Barrel

F ¹⁾ *	=	9.35
Z ¹⁾	=	9.53

Grooves

b	=	3.25
N	=	6
u	=	305.00
Q	=	70.45 mm ²

Notes: 1) Check for safety reasons
* Basic dimensions

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

C.I.P.

378 Weath. Mag.

TAB.

III

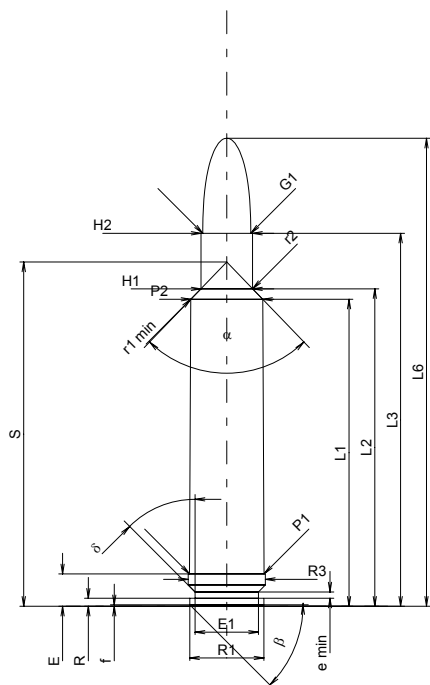
Date

84-06-14

Revision

02-05-15

Country of Origin: US



CARTRIDGE MAXI

Lengths

L1	=	60.90
L2	=	62.97
L3 ¹⁾	=	73.99
L4	=	
L5	=	
L6	=	92.84

Case Head

R	=	1.60
R1	=	14.71
R3	=	15.33
E ¹⁾	=	6.40
E1	=	12.57
e min	=	1.24
δ	=	45°
f	=	0.30
β	=	45°

Powder Chamber

P1	=	14.78
P2 *	=	14.24

Junction Cone

α *	=	87°53'14"
S *	=	68.28
r1 min	=	3.30
r2	=	3.84

Collar

H1 *	=	10.24
H2 ¹⁾	=	10.24

Projectile

G1 ¹⁾	=	9.53
G2	=	
F	=	
L3+G ¹⁾	=	98.98

Pressures (Energies)

Method Transducer

Pmax	=	4400 bar
PK	=	5060 bar
PE	=	5500 bar
M	=	25.00
EE	=	8085 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	61.07
L2	=	63.06
L3 ¹⁾	=	74.65

Breech

R	=	
R1	=	15.39
R2	=	
R3	=	15.39
r	=	

Powder Chamber

E ¹⁾	=	6.43
P1 ¹⁾	=	14.83
P2 *	=	14.31

Junction Cone

α *	=	89°37'33"
S *	=	68.27
r1 max	=	3.05
r2	=	3.84

Collar

H1 *	=	10.35
H2 ¹⁾	=	10.29

Commencement of Rifling

G1 ¹⁾ *	=	9.54
G ¹⁾	=	24.99
α1 *	=	90°
h	=	0.38
s	=	19.20
i ¹⁾ *	=	1°05'20"
w	=	

Barrel

F ¹⁾ *	=	9.32
Z ¹⁾	=	9.53

Grooves

b	=	3.25
N	=	6
u	=	305.00
Q	=	70.31 mm ²

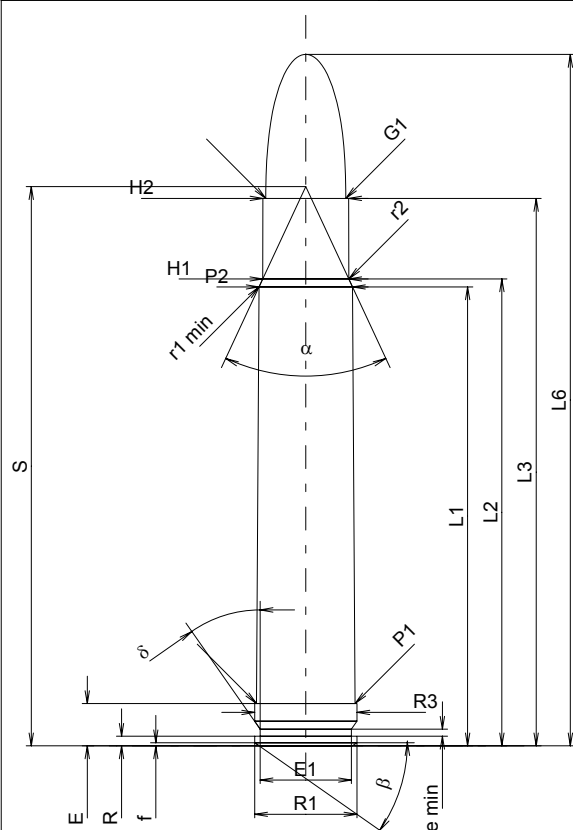
Scale 1:1.5

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.**416 Rem. Mag.**

Country of Origin: US

TAB.**III****Date****89-09-10****Revision****02-05-15****CARTRIDGE MAXI****Lengths**

L1	=	60.68
L2	=	61.74
L3 ¹⁾	=	72.39
L4	=	
L5	=	
L6	=	91.44

Case Head

R	=	1.27
R1	=	13.51
R3	=	13.51
E ¹⁾	=	5.59
E1	=	12.06
e min	=	0.94
delta	=	35°
f	=	0.41
beta	=	35°

Powder Chamber

P1	=	13.02
P2 *	=	12.36

Junction Cone

alpha *	=	50°
S *	=	73.94
r1 min	=	1.02
r2	=	2.54

Collar

H1 *	=	11.38
H2 ¹⁾	=	11.35

Projectile

G1 ¹⁾	=	10.57
G2	=	
F	=	
L3+G ¹⁾	=	80.33

Pressures (Energies)**Method Transducer**

Pmax	=	4300 bar
PK	=	4945 bar
PE	=	5375 bar
M	=	25.00
EE	=	7245 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.10
delta L	=	

CHAMBER MINI**Lengths**

L1	=	60.88
L2	=	61.94
L3 ¹⁾	=	72.96

Breech

R	=	
R1	=	13.59
R2	=	
R3	=	13.59
r	=	

Powder Chamber

E ¹⁾	=	5.59
P1 ¹⁾	=	13.05
P2 *	=	12.39

Junction Cone

alpha *	=	50°
S *	=	74.17
r1 max	=	0.76
r2	=	3.18

Collar

H1 *	=	11.41
H2 ¹⁾	=	11.38

Commencement of Rifling

G1 ¹⁾ *	=	10.62
G ¹⁾	=	7.94
alpha 1 *	=	90°
h	=	0.38
s	=	5.46
i ¹⁾ *	=	3°
w	=	

Barrel

F ¹⁾ *	=	10.36
Z ¹⁾	=	10.57

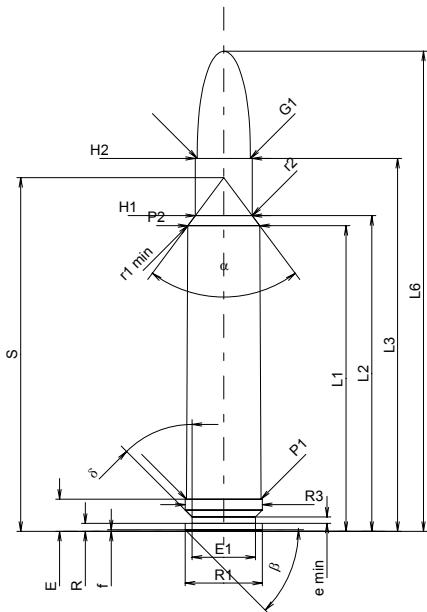
Grooves

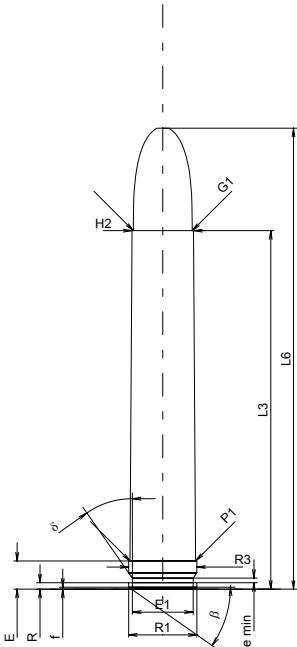
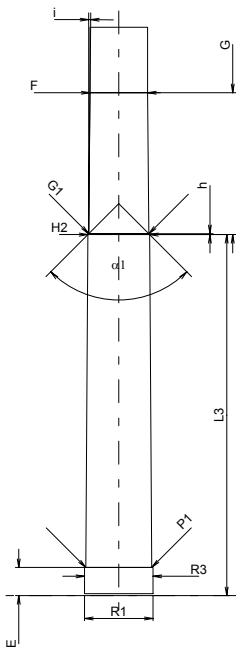
b	=	3.25
N	=	6
u	=	356.00
Q	=	86.38 mm ²

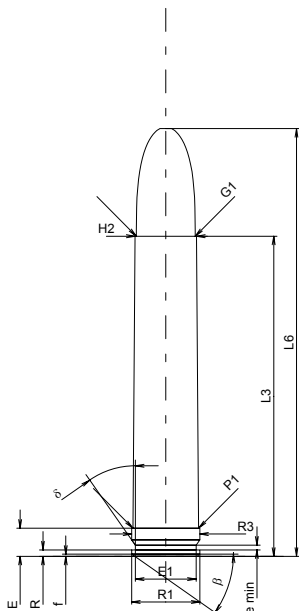
Scale 1:1

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.	416 Weath. Mag. Country of Origin: US	TAB.	III
		Date	91-02-19
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = 60.66 L2 = 62.64 L3 ¹⁾ = 73.99 L4 = L5 = L6 = 95.25 Case Head R = 1.60 R1 = 15.33 R3 = 15.33 E ¹⁾ = 6.40 E1 = 12.57 e min = 1.24 δ = 45° f = 0.30 β = 45° Powder Chamber P1 = 14.78 P2 * = 14.24 Junction Cone α^* = 73°32'42" S * = 70.19 r1 min = 3.30 r2 = 4.17 Collar H1 * = 11.28 H2 ¹⁾ = 11.28 Projectile G1 ¹⁾ = 10.57 G2 = F = L3+G ¹⁾ = 84.26 Pressures (Energies) Method Transducer Pmax = 4400 bar PK = 5060 bar PE = 5500 bar M = 25.00 EE = 9030 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	CHAMBER MINI Lengths L1 = 60.79 L2 = 62.77 L3 ¹⁾ = 74.65 Breech R = R1 = 15.39 R2 = R3 = 15.39 r = Powder Chamber E ¹⁾ = 6.43 P1 ¹⁾ = 14.83 P2 * = 14.32 Junction Cone α^* = 72°34'30" S * = 70.54 r1 max = 3.05 r2 = 4.42 Collar H1 * = 11.41 H2 ¹⁾ = 11.38 Commencement of Rifling G1 ¹⁾ * = 10.58 G ¹⁾ = 10.27 $\alpha 1^*$ = 93° h = 0.38 s = 6.07 i ¹⁾ * = 1°30' w = Barrel F ¹⁾ * = 10.36 Z ¹⁾ = 10.57 Grooves b = 3.23 N = 6 u = 356.00 Q = 86.37 mm ²	
	Notes: 1) Check for safety reasons * Basic dimensions		
Scale 1:1.5 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	458 Lott	TAB.	III
		Date	00-08-24
Country of Origin: US		Revision	02-05-15
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 71.12 L4 = L5 = L6 = 91.44 Case Head R = 1.27 R1 = 13.51 R3 = 13.51 E ¹⁾ = 5.59 -0.20 E1 = 12.07 e min = 0.94 δ = 35° f = 0.41 β = 35° Powder Chamber P1 = 13.03 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.22 Projectile G1 ¹⁾ = 11.66 G2 = F = L3+G ¹⁾ = 99.27 Pressures (Energies) Method Transducer Pmax = 4300 bar PK = 4945 bar PE = 5375 bar M = 25.00 EE = 7140 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	Breech R = R1 = 13.59 R2 = R3 = 13.59 r = Powder Chamber E ¹⁾ = 5.59 P1 ¹⁾ = 13.08 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.27 Commencement of Rifling G1 ^{1)*} = 11.91 G ¹⁾ = 28.15 αl * = 90° h = 0.18 s = i ^{1)*} = 0°29'30" w = Barrel F ^{1)*} = 11.43 Z ¹⁾ = 11.63 Grooves b = 3.81 N = 6 u = 356.00 Q = 104.94 mm²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	Notes: 1) Check for safety reasons * Basic dimensions		

C.I.P.	458 Win. Mag. Country of Origin: US	TAB.	III
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 63.50 L4 = L5 = L6 = 84.84 Case Head R = 1.27 R1 = 13.51 R3 = 13.51 E ¹⁾ = 5.59 -0.20 E1 = 12.07 e min = 0.94 δ = 35° f = 0.41 β = 35° Powder Chamber P1 = 13.03 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.22 Projectile G1 ¹⁾ = 11.66 G2 = F = L3+G ¹⁾ = 91.65 Pressures (Energies) Method Transducer Pmax = 4300 bar PK = 4945 bar PE = 5375 bar M = 25.00 EE = 6615 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 64.01 Breech R = R1 = 13.59 R2 = R3 = 13.59 r = Powder Chamber E ¹⁾ = 5.59 P1 ¹⁾ = 13.08 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.27 Commencement of Rifling G1 ^{1)*} = 11.91 G ¹⁾ = 28.15 α1 [*] = 90° h = 0.18 s = i ^{1)*} = 0°29'30" w = Barrel F ^{1)*} = 11.43 Z ¹⁾ = 11.63 Grooves b = 3.81 N = 6 u = 356.00 Q = 104.94 mm²	
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	460 Weath. Mag.	TAB.	III
		Date	84-06-14
Country of Origin: US		Revision	02-05-15
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 60.39 L2 = 62.17 L3 ¹⁾ = 73.99 L4 = L5 = L6 = 95.25 Case Head R = 1.60 R1 = 14.71 R3 = 15.33 E ¹⁾ = 6.40 E1 = 12.57 e min = 1.24 δ = 45° f = 0.30 β = 45° Powder Chamber P1 = 14.78 P2 * = 14.24 Junction Cone α * = 56°15'56" S * = 73.71 r1 min = 3.30 r2 = 4.72 Collar H1 * = 12.34 H2 ¹⁾ = 12.34 Projectile G1 ¹⁾ = 11.64 G2 = F = L3+G ¹⁾ = 98.71 Pressures (Energies) Method Transducer Pmax = 4400 bar PK = 5060 bar PE = 5500 bar M = 25.00 EE = 10605 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	Lengths L1 = 60.56 L2 = 62.24 L3 ¹⁾ = 74.65 Breech R = R1 = 15.39 R2 = R3 = 15.39 r = Powder Chamber E ¹⁾ = 6.43 P1 ¹⁾ = 14.83 P2 * = 14.32 Junction Cone α * = 56°05'38" S * = 74.00 r1 max = 3.05 r2 = 4.62 Collar H1 * = 12.53 H2 ¹⁾ = 12.47 Commencement of Rifling G1 ¹⁾ * = 11.64 G ¹⁾ = 24.72 αl * = 90° h = 0.42 s = 19.20 i ¹⁾ * = 1°05'20" w = Barrel F ¹⁾ * = 11.43 Z ¹⁾ = 11.63 Grooves b = 4.45 N = 6 u = 406.00 Q = 104.44 mm ²	
Scale 1:1.5	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			